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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/554,074	10/20/2005	Siegfried Mantl	23391	2822
535 K.F. ROSS P.C	7590 05/22/200	EXAMINER		
5683 RIVERDALE AVENUE			YEUNG LOPEZ, FEIFEI	
SUITE 203 BOX 900 BRONX, NY 10471-0900			ART UNIT	PAPER NUMBER
			2826	
			MAIL DATE	DELIVERY MODE
			05/22/2008	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)
	10/554,074	MANTL, SIEGFRIED
Office Action Summary	Examiner	Art Unit
	FEI FEI YEUNG LOPEZ	2826
The MAILING DATE of this communication a Period for Reply	appears on the cover sheet with the	e correspondence address
A SHORTENED STATUTORY PERIOD FOR REF WHICHEVER IS LONGER, FROM THE MAILING - Extensions of time may be available under the provisions of 37 CFR after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period - Failure to reply within the set or extended period for reply will, by sta Any reply received by the Office later than three months after the ma earned patent term adjustment. See 37 CFR 1.704(b).	DATE OF THIS COMMUNICATION 1.136(a). In no event, however, may a reply be downward will expire SIX (6) MONTHS froute, cause the application to become ABANDO	ON. timely filed om the mailing date of this communication. NED (35 U.S.C. § 133).
Status		
Responsive to communication(s) filed on 16 This action is FINAL . 2b) □ This action is FINAL . 2b) □ This action is application is in condition for allow closed in accordance with the practice under the condition of the condition is in condition.	his action is non-final. vance except for formal matters, p	
Disposition of Claims		
4) ☐ Claim(s) <u>1-98</u> is/are pending in the application 4a) Of the above claim(s) is/are withd 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) <u>1-98</u> are subject to restriction and/or	rawn from consideration.	
Application Papers		
9) The specification is objected to by the Examination The drawing(s) filed on is/are: a) and a Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct of the option of the	ccepted or b) objected to by the drawing(s) be held in abeyance. Section is required if the drawing(s) is a	See 37 CFR 1.85(a). objected to. See 37 CFR 1.121(d).
Priority under 35 U.S.C. § 119		
12) ☐ Acknowledgment is made of a claim for forei a) ☐ All b) ☐ Some * c) ☐ None of: 1. ☐ Certified copies of the priority docume 2. ☐ Certified copies of the priority docume 3. ☐ Copies of the certified copies of the priority docume application from the International Bure * See the attached detailed Office action for a least open content.	ents have been received. ents have been received in Applicationity documents have been rece eau (PCT Rule 17.2(a)).	ation No ived in this National Stage
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date	4) Interview Summa Paper No(s)/Mail 5) Notice of Informa 6) Other:	

DETAILED ACTION

Election/Restrictions

1. Restriction is required under 35 U.S.C. 121 and 372.

This application contains the following inventions or groups of inventions which are not so linked as to form a single general inventive concept under PCT Rule 13.1.

In accordance with 37 CFR 1.499, applicant is required, in reply to this action, to elect a single invention to which the claims must be restricted.

2. This application contains claims directed to more than one species of the generic invention. These species are deemed to lack unity of invention because they are not so linked as to form a single general inventive concept under PCT Rule 13.1.

The species are as follows (select one species in each group):

Group A:

Species I is drawn to a method of producing a strained layer with a defect region produced in a first layer, reading on claim 6.

Species II is drawn to a method of producing a strained layer with a defect region produced in a second layer, reading on claim 14.

Group B:

Species I is drawn to a method of producing a strained layer with a thermal treatment carried out in an inert atmosphere, reading on claim 22.

Species II is drawn to a method of producing a strained layer with a thermal treatment carried out in a reducing or oxidizing or nitriding atmosphere, reading on claim 23.

Group C:

Species I is drawn to a method of producing a strained layer using hydrogen ions or helium ions for implantation, reading on claims 27 and 28.

Species II is drawn to a method of producing a strained layer using Si ions for implantation, reading on claims 29 and 30.

Species III is drawn to a method of producing a strained layer using carbon ions, nitrogen ions, fluorine ions, boron ions, phosphorous ions, arsenic ions, germanium ions, antimony ions, sulfur ions, neon ions, argon ions, krypton ions and/or xenon ions for implantation, reading on claim 31.

Species IV is drawn to a method of producing a strained layer using hydrogen and helium for implantation, reading on claim 33.

Species V is drawn to a method of producing a strained layer using hydrogen and boron for implantation, reading on claim 34.

Group D:

Species I is drawn to a method of producing a strained layer where a defect region is formed by ion implantation, reading on claim 26.

Species II is drawn to a method of producing a strained layer where a defect region is formed by a change in the temperature, reading on claim 38.

Group E:

Species I is drawn to a method of producing a strained layer where SIMOX or BESOI is selected as a base structure for the substrate, reading on claim 43.

Species II is drawn to a method of producing a strained layer where silicon on sapphire is selected as a base structure for the substrate, reading on claim 44.

Applicant is advised that the reply to this requirement to be complete must include (i) an election of a species or invention to be examined even though the requirement may be traversed (37 CFR 1.143) and (ii) identification of the claims encompassing the elected invention.

The election of an invention or species may be made with or without traverse. To preserve a right to petition, the election must be made with traverse. If the reply does not distinctly and specifically point out supposed errors in the restriction requirement, the election shall be treated as an election without traverse.

3. The examiner has required restriction between product and process claims. Where applicant elects claims directed to the product, and the product claims are subsequently found allowable, withdrawn process claims that depend from or otherwise require all the limitations of the allowable product claim will be considered for rejoinder.

All claims directed to a nonelected process invention must require all the limitations of an allowable product claim for that process invention to be rejoined.

In the event of rejoinder, the requirement for restriction between the product claims and the rejoined process claims will be withdrawn, and the rejoined process claims will be fully examined for patentability in accordance with 37 CFR 1.104. Thus, to be allowable, the rejoined claims must meet all criteria for patentability including the

requirements of 35 U.S.C. 101, 102, 103 and 112. Until all claims to the elected product are found allowable, an otherwise proper restriction requirement between product claims and process claims may be maintained. Withdrawn process claims that are not commensurate in scope with an allowable product claim will not be rejoined. See MPEP § 821.04(b). Additionally, in order to retain the right to rejoinder in accordance with the above policy, applicant is advised that the process claims should be amended during prosecution to require the limitations of the product claims. Failure to do so may result in a loss of the right to rejoinder. Further, note that the prohibition against double patenting rejections of 35 U.S.C. 121 does not apply where the restriction requirement is withdrawn by the examiner before the patent issues. See MPEP § 804.01.

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to FEI FEI YEUNG LOPEZ whose telephone number is (571)270-1882. The examiner can normally be reached on 7:30am-5:00pm Monday to Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Sue Purvis can be reached on 571-272-1236. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Art Unit: 2826

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Leonardo Andújar/ Primary Examiner, Art Unit 2826

FYL Feifei Yeung-Lopez Examiner, Art Unit 2826